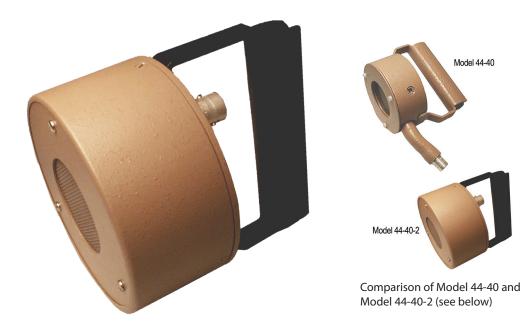
Model 44-40-2 Alpha Beta Gamma Detector





Specifications

Part Number: 47-2758

INDICATED USE: alpha, beta, gamma survey; sample counting **DETECTOR**: pancake-type, halogen guenched GM **WINDOW**: $1.7 \pm 0.3 \text{ mg/cm}^2 \text{ mica}$ WINDOW AREA: 15.51 cm² (2.4 in²) active, 12.26 cm² (1.9 in²) open PROTECTIVE SCREEN: stainless steel, 79% open **EFFICIENCY (4π) (approximate)**: 5% for ¹⁴C; 22% for ⁹⁰Sr/⁹⁰Y; 19% for ⁹⁹Tc; 32% for ³²P; 15% for ²³⁹Pu SENSITIVITY (137Cs gamma): typically 3300 cpm/mR/hr BACKGROUND: 25 cpm GAMMA FRONT TO BACK RATIO: 4 to 1 LEAD SHIELD THICKNESS: 1.3 cm (0.50 in.) on side; 3.6 cm (1.4 in.) on back **DEAD TIME: 80 microseconds ENERGY RESPONSE:** energy dependent **OPERATING VOLTAGE:** 850 to 1000 V (nominally 900 volts) **CONNECTOR**: series "C" (others available) **CONSTRUCTION**: painted aluminum housing over lead shielding, stainless steel screen **SIZE**: 13.7 x 11.4 cm (5.4 x 4.5 in.) (H x W) WEIGHT: 2.5 kg (5.5 lb)

ALSO AVAILABLE: Model 44-40: as above, but with a painted lead housing. See images. (Part Number 47-1538)

Ludium Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556 Web: http://www.ludiums.com Tel: 800-622-0828 / 325-235-5494 / Fax: 325-235-4672 / Email: sales@ludiums.com

Note: specifications subject to change without notification. We are not responsible for errors or omissions.